

FIRE SUPPRESSING GAS GENERATOR COMPOSITION

ABSTRACT

A fire suppressing gas generator composition which has a low burn temperature which provides an adjustable mass flow rate, which provides high inert gas yields upon
5 combustion, which generates flame suppressing gasses during composition, which provides exhaust gas with low particulate content, and which is suitable for use in pellet form. The gas generator composition of the invention generally comprises a high nitrogen content solid, preferably 5-amino tetrazole, and potassium perchlorate or other
10 oxidizer salt in an amount sufficient to allow flameless deflagration of the high nitrogen content solid. The composition of the invention also preferably comprises a flame inhibitor precursor such as perbrominated aromatic compound, an elastomeric binder, a powder pressing modifier or enhancer such as mica, and an electrostatic charge suppressant such as graphite.